

09/045,681

ABSTRACT OF THE DISCLOSURE

a

An electron beam apparatus <sup>includes</sup> ~~comprises~~ an electron source having an electron-emitting device, an electrode for controlling an electron beam emitted from the electron source, a target to be irradiated with an electron beam emitted from the electron source and a spacer arranged between the electron source and the electrode. The spacer has a semiconductor film on the surface thereof that is electrically connected to <sup>the</sup> ~~said~~ electron source and <sup>the</sup> ~~said~~ electrode.

5

10

09/045,681

a

a